

Title (en)  
AIR PURIFIER

Title (de)  
LUFTREINIGER

Title (fr)  
PURIFICATEUR D'AIR

Publication  
**EP 3967940 A4 20230111 (EN)**

Application  
**EP 19928119 A 20190611**

Priority  
• KR 20190053318 A 20190507  
• KR 2019007036 W 20190611

Abstract (en)  
[origin: EP3967940A1] An air purifier according to the present disclosure includes a first blower having a first fan configured to generate an air flow from a first suction part toward a first discharge part, a second blower having a second fan configured to generate an air flow from a second suction part toward a second discharge part, an installation space part configured to be formed between the first blower and the second blower, a power transmitter configured to be positioned inside the installation space part, to be fixed to any one of the first blower and the second blower, and to transmit wireless power, and a power receiver configured to be positioned inside the installation space part, to be fixed to the other one of the first blower and the second blower, and to receive wireless power transmitted from the power transmitter.

IPC 8 full level  
**F24F 8/30** (2021.01); **F24F 8/80** (2021.01); **F24F 11/88** (2018.01); **F24F 11/89** (2018.01); **F24F 13/08** (2006.01); **F24F 13/20** (2006.01); **H02J 7/02** (2016.01); **H02J 50/12** (2016.01)

CPC (source: EP KR US)  
**B01D 46/0049** (2013.01 - US); **B01D 46/24** (2013.01 - US); **B01D 46/4245** (2013.01 - US); **B01D 46/44** (2013.01 - US); **F24F 8/10** (2021.01 - US); **F24F 8/108** (2021.01 - EP KR); **F24F 8/30** (2021.01 - EP KR US); **F24F 8/80** (2021.01 - EP KR US); **F24F 11/88** (2017.12 - EP KR); **F24F 11/89** (2017.12 - KR); **F24F 13/08** (2013.01 - EP KR); **F24F 13/20** (2013.01 - EP KR); **H02J 7/02** (2013.01 - EP KR); **H02J 50/12** (2016.02 - EP KR US); **B01D 2273/30** (2013.01 - US); **F24F 2013/205** (2013.01 - KR); **F24F 2221/36** (2013.01 - KR)

Citation (search report)  
• [A] CN 107270199 A 20171020 - ZHENG ZHONGKAI  
• [A] GB 2554893 A 20180418 - OTTER CONTROLS LTD [GB]  
• [A] DE 102012002440 A1 20130808 - UNIV ILMENAU TECH [DE]  
• See references of WO 2020226223A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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**EP 3967940 A1 20220316**; **EP 3967940 A4 20230111**; KR 20200128997 A 20201117; US 2022212133 A1 20220707;  
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**EP 19928119 A 20190611**; KR 20190053318 A 20190507; KR 2019007036 W 20190611; US 201917609315 A 20190611